A. Course Description

Credits: 6

Prerequisites:
- DENH 610 Health Assessment and Oral Diagnostic Reasoning
- DENH 620 Pharmacology Principles of Clinical Application

Lab Hours/ Weeks: Corequisites: None

Lecture Hours/ Week :

MnTC Goals: None

This lecture and simulation laboratory based course is the first in a series of courses taught throughout the curriculum that provides learning opportunities leading to competency in advanced dental therapy practice. In a simulation laboratory setting the course emphasizes operative dentistry techniques that restore form, function, and esthetics to teeth with the purpose of contributing to both oral and general health. The basic principles of cavity and restoration design, and appropriate selection and application of direct restorative materials are emphasized. Focus is on theoretical and laboratory principles of operative dentistry utilizing direct placement restorative materials in the permanent dentition.

B. Course Effective Dates: 05/03/2018 - 08/18/2019

C. Outline of Major Content Areas:

See Course Description for major content areas.

D. Learning Outcomes (General)

1. Demonstrate knowledge of appropriate consultations and referrals with other healthcare professionals in relationship to tooth preparation/restoration and/or temporization in the practice of dental therapy/advanced dental therapy.
2. Demonstrate knowledge of appropriate permanent tooth preparation and restoration for amalgam, composite resin, and glass ionomer restorations in the simulation laboratory.
3. Demonstrate knowledge of appropriate selection and application of direct restorative and temporary materials for the permanent dentition in the dental therapy/advanced dental therapy scope of practice in the simulation laboratory.
4. Demonstrate knowledge of biological and mechanical principles of permanent tooth preparation and techniques related to dental therapy/advanced dental therapy scope of practice in the simulation laboratory.
5. Demonstrate knowledge of liners and bases used in the practice of permanent tooth in the simulation laboratory.
6. Demonstrate knowledge of moisture control techniques and the rationale for their application in the dental therapy/advanced dental therapy scope of practice in the simulation laboratory.
7. Demonstrate knowledge of temporization techniques of the permanent dentition related to dental therapy/advanced dental therapy scope of practice in the simulation laboratory.
8. Demonstrate knowledge of the basic principles of permanent tooth preparation and restoration related to dental therapy/advanced dental therapy scope of practice in the simulation laboratory.
9. Demonstrate knowledge of the fundamental concepts and techniques of enamel and dentin adhesion related dental therapy/to advanced dental therapy scope of practice in the simulation laboratory.
10. Demonstrate knowledge of the terminology and instruments used in the practice of permanent tooth preparation and restoration related to dental therapy/advanced dental therapy scope of practice in the simulation laboratory.
11. Demonstrate knowledge of tooth preparation and restoration in the dental therapy/advanced dental therapy scope of practice in the simulation laboratory.
12. Explain the value of commitment to self-assessment and improvement of knowledge and skills related to permanent tooth preparation and restoration in dental therapy/advanced dental therapy scope of practice.

E. Learning Outcomes (MN Transfer Curriculum)

This contains no goal areas.
G. Special Information

Prerequisite: Admission to the Master of Science: Advanced Dental Therapy program. Note: Lab fees apply.